EDIMAX
NETWORKING PEOPLE TOGETHER

BR-6475nD

Quick Installation Guide

11-2012 / v1.1

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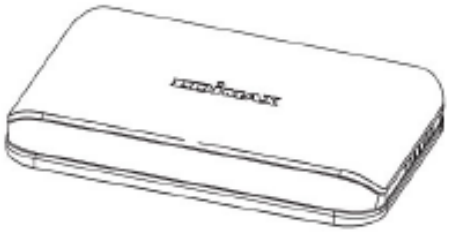
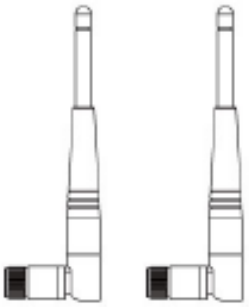
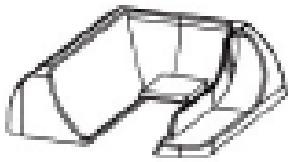
Package Contents



BR-6475nD



3dBi Antenna x2



Holding base

QIG

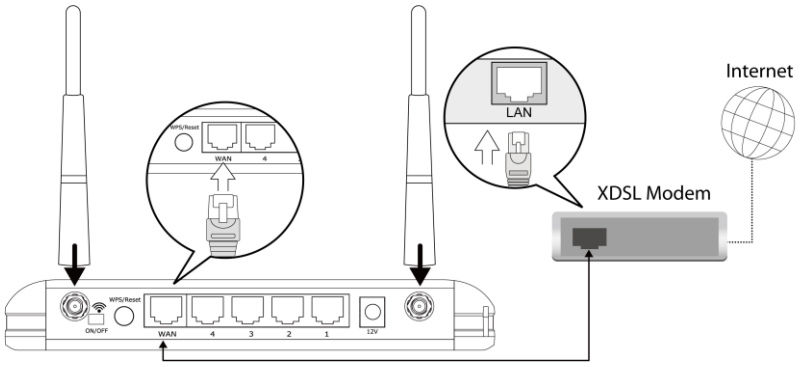
Setup Wizard CD

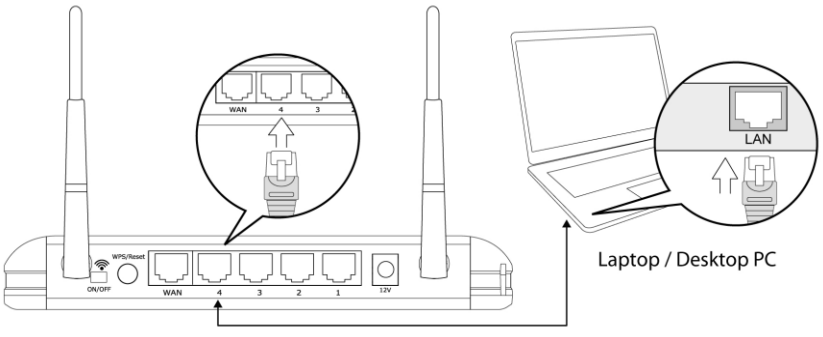
Power Adapter

Ethernet Cable

Installation

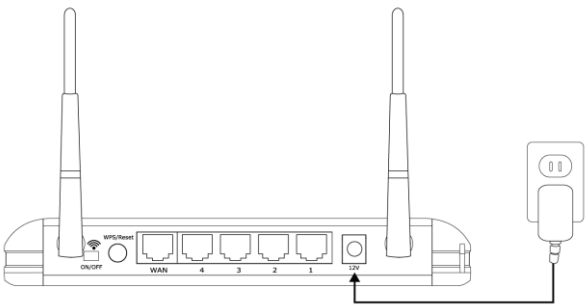
1. Screw in the two included 3dBi antennas to the back of the router, and use an Ethernet cable to connect the router's **WAN** port to your modem's **LAN** port.



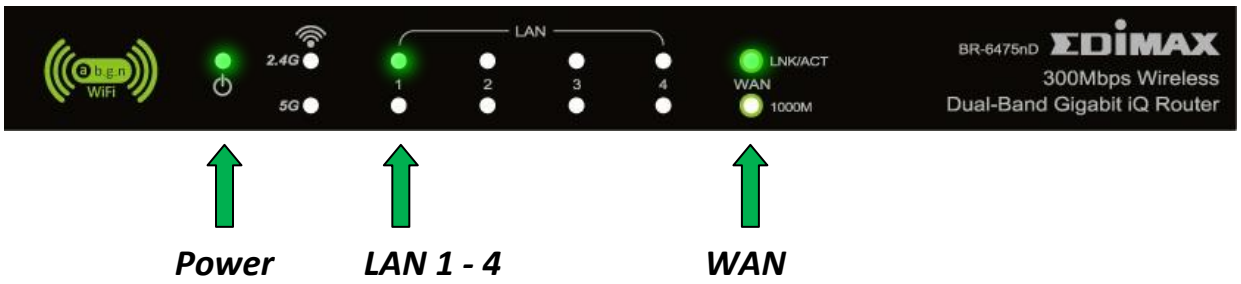


2. Use an Ethernet cable to connect any **LAN** port on the router to the **Ethernet** port on your computer.

3. Plug the included power adapter into the router's **12v Power jack** and the other end into an **electrical socket**.



4. Ensure that the **Power LED**, **WAN LED** and corresponding **LAN LED** on the router are lit. If not, the router is not properly connected.



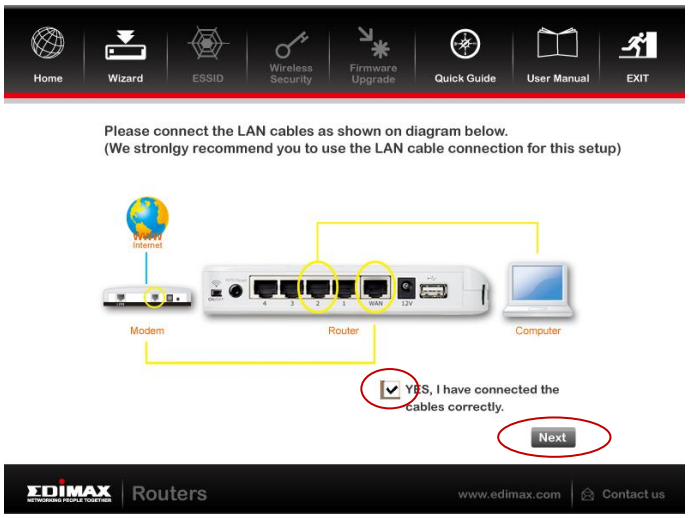
5. Insert the **setup wizard CD** into a CD-ROM drive on your computer. When the wizard begins, select your language.

Note: If the setup wizard doesn't run automatically, please browse your CD drive and double click the "Ezmax.exe" file to start the wizard.

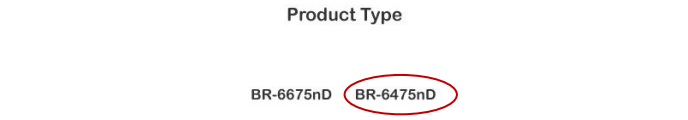
6. The setup wizard will guide you through the installation process. Click **"Next"** to continue.

7. Click **"Next"** to continue.

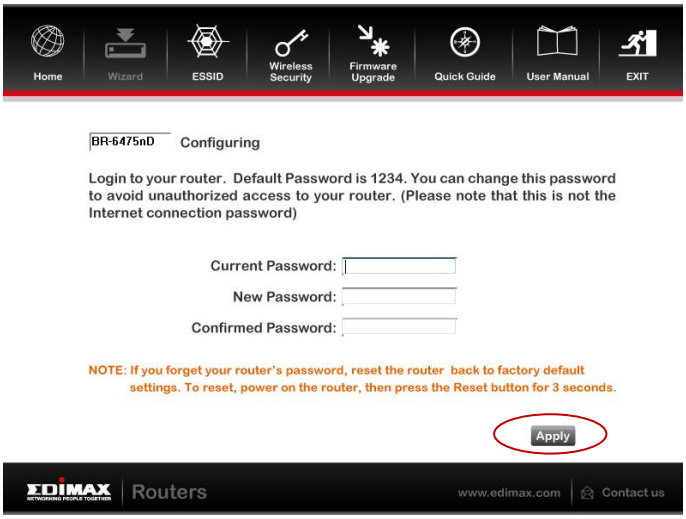
8. Check that all cables are properly connected and check the box labeled **“YES, I have connected the cables correctly”** before clicking **“Next”**.



9. Select your product type – in this case **“BR-6475nD”**.



10. Enter the default password **1234** in the field labeled **“Current Password”** and then if you wish to change this password, enter a new password in the fields marked **“New Password”** and **“Confirm New Password”**. Click **“Apply”** and then **“Ok”**.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BR-6475nD
Configuring
Login to your router. Default Password is 1234. You can change this password to avoid unauthorized access to your router. (Please note that this is not the Internet connection password)
Current Password:
New Password:
Confirmed Password:
NOTE: If you forget your router's password, reset the router back to factory default settings. To reset, power on the router, then press the Reset button for 3 seconds.
Apply
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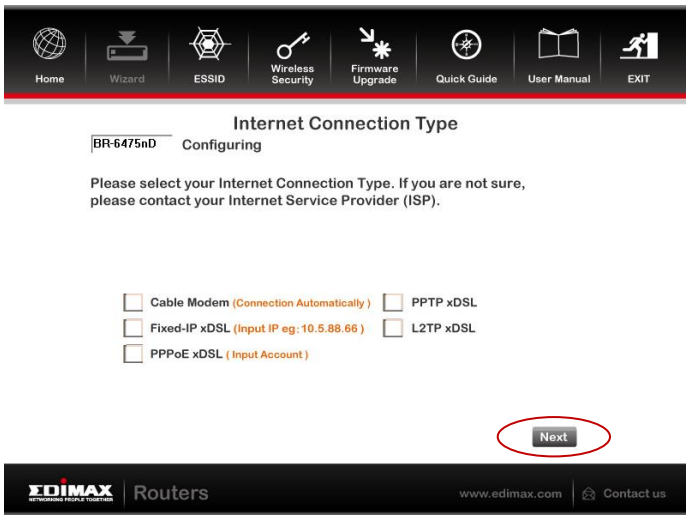
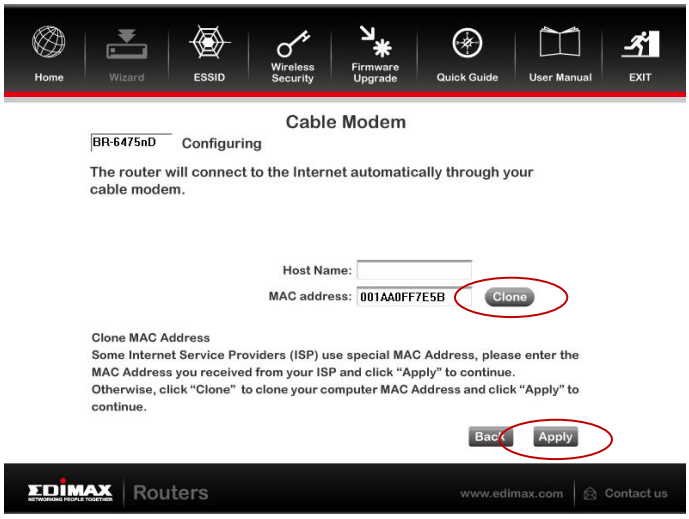
Note: This is the password to login to your router to configure the settings – not the password to connect to the router’s Wi-Fi network(s). If you change this password, please make a note of the new password.

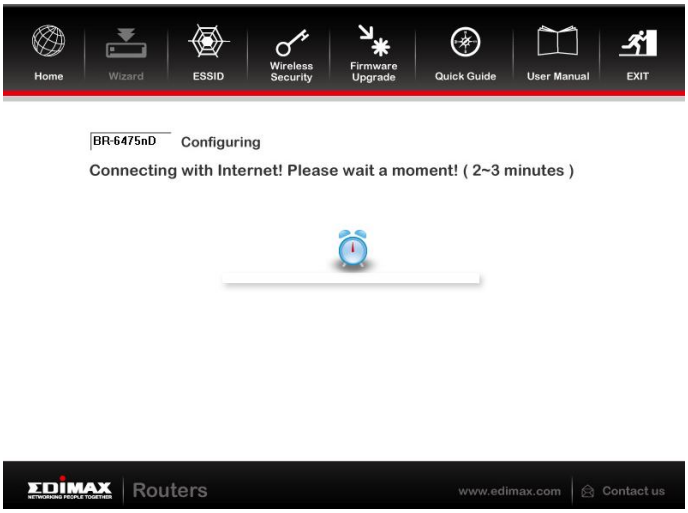
If you forget, you can reset the password back to its default value of 1234 by resetting the router back to factory defaults, see Troubleshooting.



11. Select your Internet connection type and click **"Next"**. If you are a dynamic IP user, then select **"Cable Modem"**. For most users, **"Cable Modem"** is the correct setting. If you are unsure, please contact your Internet Service Provider (ISP).

12. If you received a host name and MAC address from your ISP, enter them here and click **"Apply"**. If you are sure the MAC address is the same as your computer, you can click **"Clone"** to clone your computer's MAC address and then click **"Apply"** to continue.

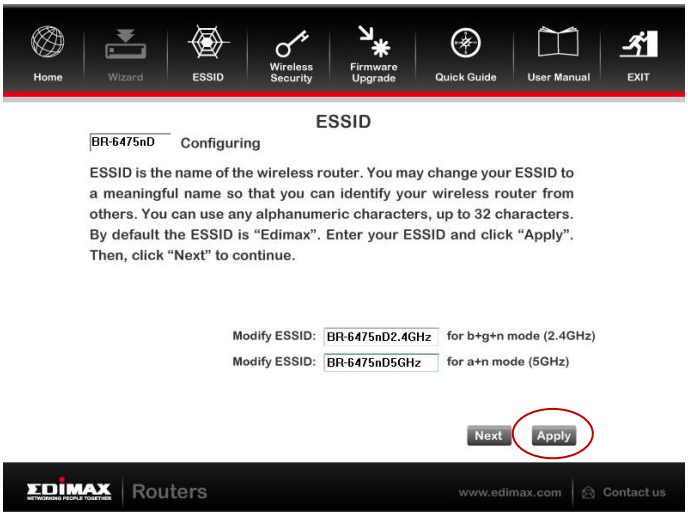




13. Please wait while the router connects to the Internet.

14. When the router is connected your default web browser will open. Close the browser, and you will see the following screen. Please **do not select Exit**. You still need to configure the **ESSID** and **Wireless Security** – please select **"ESSID"** from the top menu next.

15. Please enter separate ESSIDs for the router's 2.4GHz mode and 5GHz mode. An ESSID is a name to identify the wireless router. Later, when the router is fully operational, you will need to select this ESSID from your available Wi-Fi networks to connect to the wireless router. Click **"Apply".**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ESSID
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Configuring
ESSID is the name of the wireless router. You may change your ESSID to a meaningful name so that you can identify your wireless router from others. You can use any alphanumeric characters, up to 32 characters. By default the ESSID is "Edimax". Enter your ESSID and click "Apply". Then, click "Next" to continue.
Modify ESSID: BR-6475nD2.4GHz for b+g+n mode (2.4GHz)
Modify ESSID: BR-6475nD5GHz for a+n mode (5GHz)
Next
Apply
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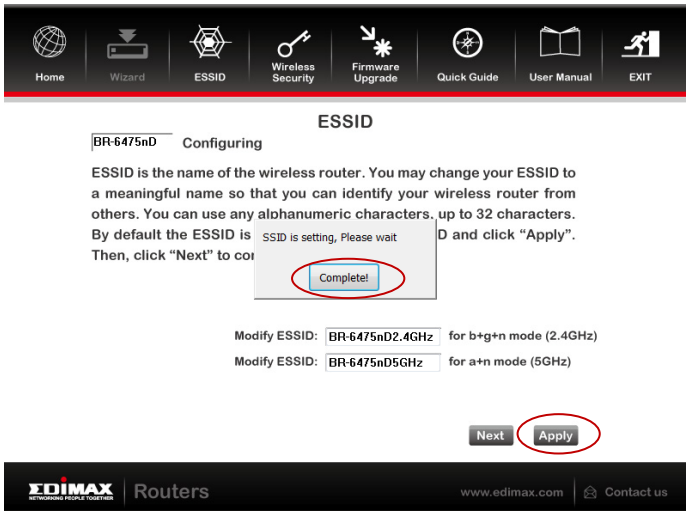

16. Please wait while the router is setting its new ESSID. When it is finished, click **"Complete!"** and then click **"Next"** to continue.

17. To configure your router's wireless security, check the box labeled **"Enable WPA Pre-Share Key"**. Then enter a password for each of the router's 2.4GHz and 5GHz networks. This password will be required when you connect to the router wirelessly. Click **"Apply"** to save the settings.

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Wireless Security
BR-6475nD Configuring
This is to secure your wireless router with WPA security. It's recommended to use WPA to protect your wireless router from hackers. Select Enabled WPA Pre-Share Key and enter the Pre-Share Key below.
Enable WPA Pre-Share Key
Use 8-32 alphanumeric characters. Please remember this key, you need this key to connect to your wireless router wirelessly.
WPA Pre-Share Key: for b+g+n mode (2.4GHz)
WPA Pre-Share Key: for a+n mode (5GHz)
Click "Apply" to save the settings. Then, click "Exit" at the top menu to finish the wizard. All other functions are on top menu.
Apply
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Wireless Security
BR-6475nD Configuring
This is to secure your wireless router with WPA security. It's recommended to use WPA to protect your wireless router from hackers. Select Enabled WPA Pre-Share Key and enter the Pre-Share Key below.
WPA Key is setting, Please wait
Complete!
Enable WPA Pre-Sh
Use 8-32 alphanumeric characters. Please remember this key, you need this key to connect to your wireless router wirelessly.
WPA Pre-Share Key: for b+g+n mode (2.4GHz)
WPA Pre-Share Key: for a+n mode (5GHz)
Click "Apply" to save the settings. Then, click "Exit" at the top menu to finish the wizard. All other functions are on top menu.
Apply
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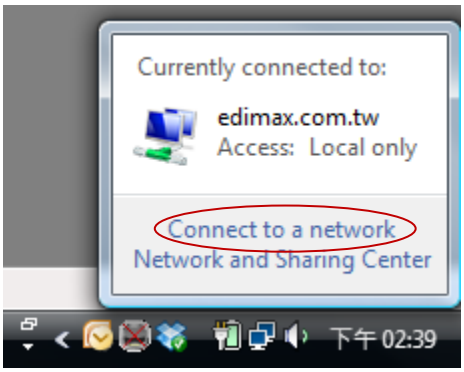
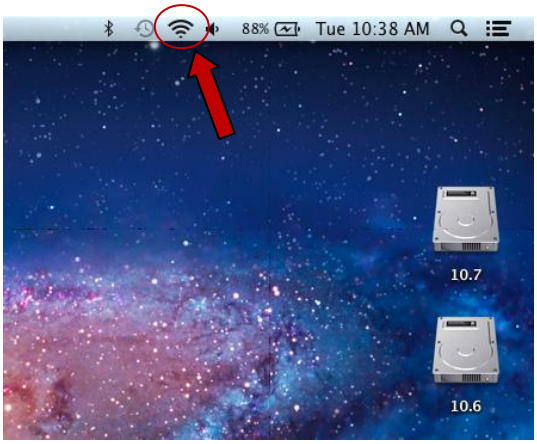
18. Please wait for the router to save the new passwords. When it is finished, click **"Complete!"** and then click **"EXIT"** in the top right corner to exit the setup wizard.

19. You can now open a web browser to access the internet and check your router's connection. Then, to connect to the BR-6475nD's wireless networks, you need to unplug the Ethernet cable connecting the router and your computer.



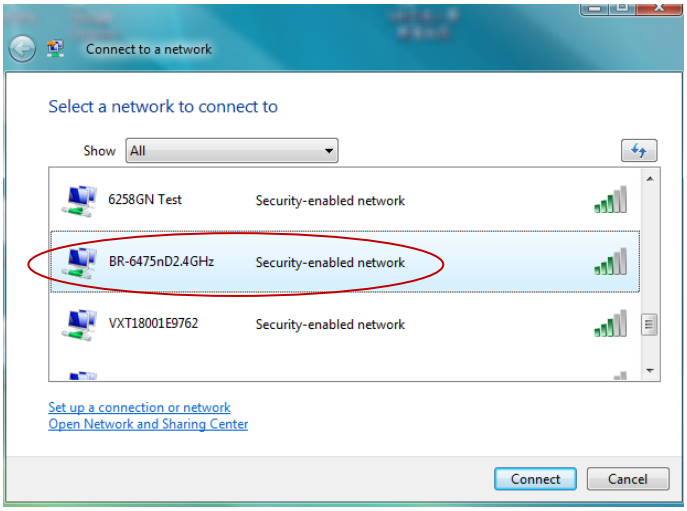
Windows

Click the network icon (, or) in the system tray and select **"Connect to a network".**



Mac

View available Wi-Fi networks by clicking the icon along the top right of your screen.



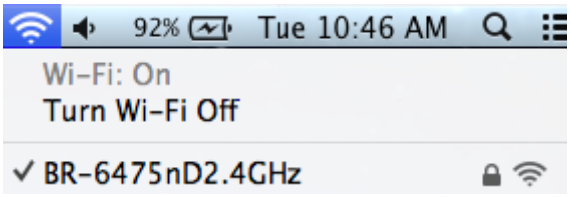
20. Windows

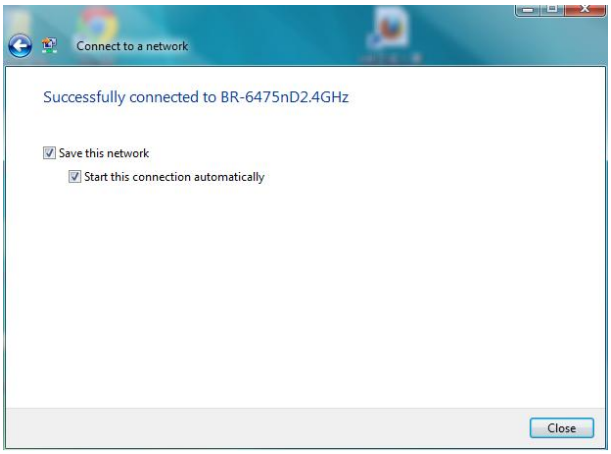
Search for the ESSID you named your Wi-Fi network and click it and then click **"Connect"**. If you set a password for your network, you will then be prompted to enter it.

Mac

Click on the ESSID of your network. If you set a password for your network, you will then be prompted to enter it.

21. After correctly entering your password, you will be successfully connected to your Wi-Fi network.

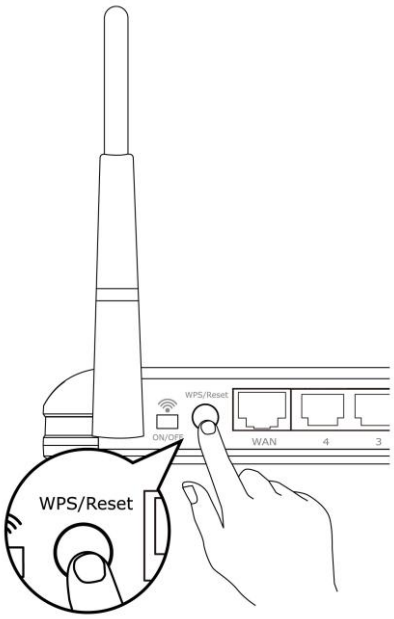




Alternatively, if your wireless device supports WPS, you can use the **WPS** button (see next section).

WPS Setup

If your wireless device supports WPS (Wi-Fi Protected Setup) then you can use this method to connect to the BR-6475nD's Wi-Fi networks.



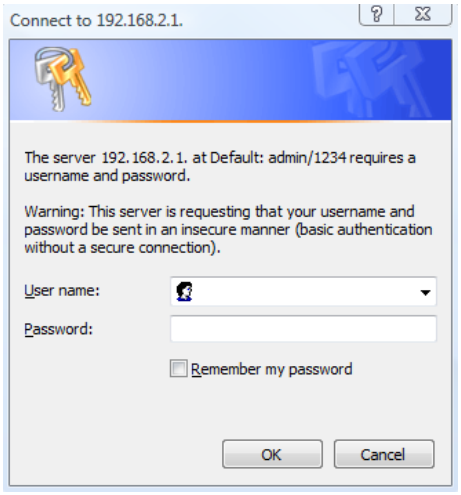
1. Press the **WPS/Reset button** on the router **once** to activate WPS for **2.4GHz** Wi-Fi, or press **twice** (within 5 seconds) to activate WPS for **5GHz** Wi-Fi.
2. **Within two minutes**, press and hold the WPS button on the **wireless device/client** to activate its WPS.
3. The devices will establish a connection. Repeat for additional wireless devices.

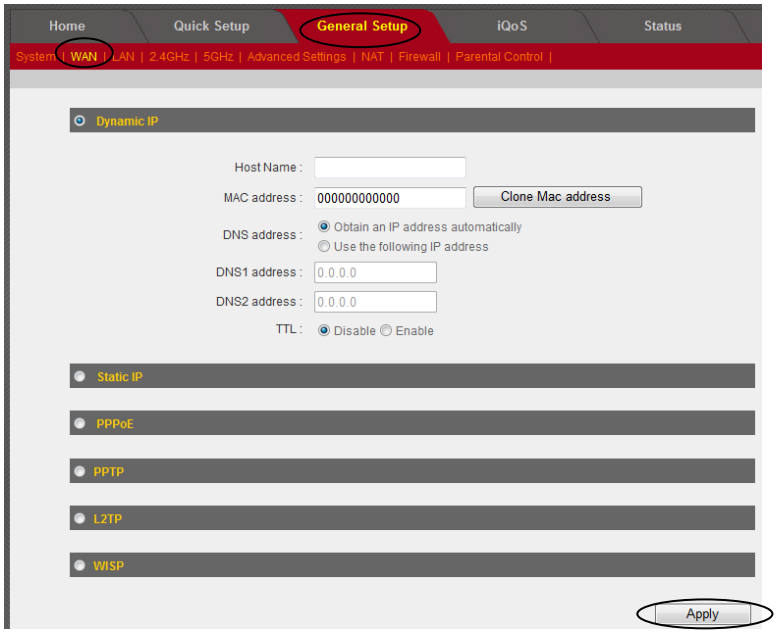
Note: Please check the instructions for your wireless device for how long you need to hold down its WPS button to activate WPS.

Web Based Configuration Interface

For **Mac/Linux** users – or those who can't run the CD, you can setup the router manually using the web based configuration interface.

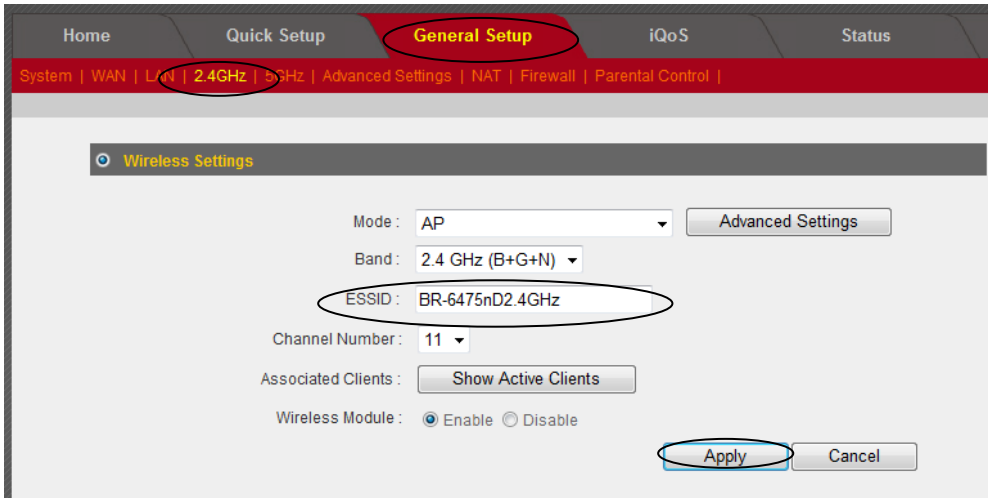
1. Enter **http://192.168.2.1** into the URL of a web browser and enter the username **admin** and password **1234**.


Connect to 192.168.2.1.
The server 192.168.2.1. at Default: admin/1234 requires a username and password.
Warning: This server is requesting that your username and password be sent in an insecure manner (basic authentication without a secure connection).
User name:
Password:
Remember my password
OK
Cancel

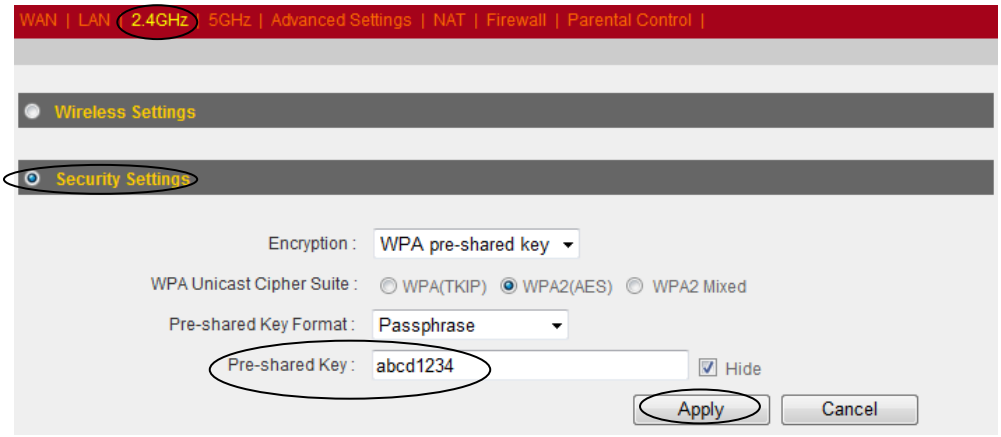


2. Select **"General Setup"** from the top menu and **"WAN"** from the submenu. Choose your connection type – for most users it is **"Dynamic IP"**. If you are unsure, please contact your Internet Service Provider (ISP). Click **"Apply"** and then **"CONTINUE"**.

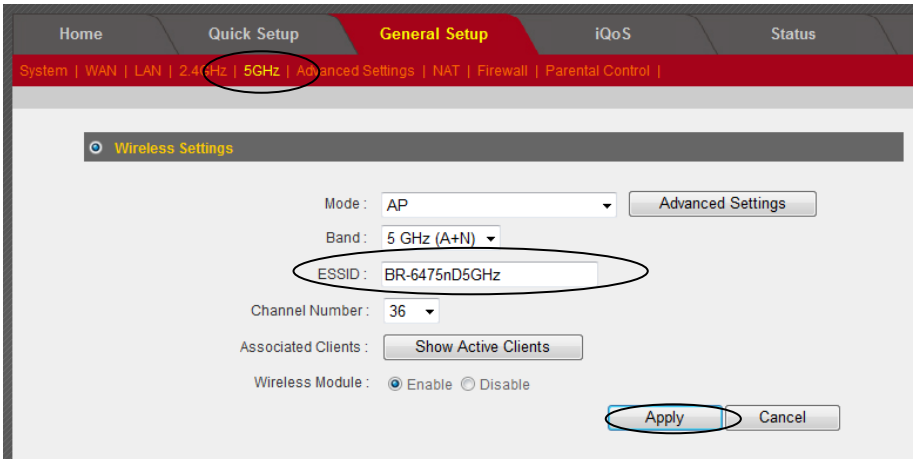
3. Select **“2.4GHz”** from the submenu and enter a name for your 2.4GHz network in **“ESSID”**. Click **“Apply”** and then **“CONTINUE”**.



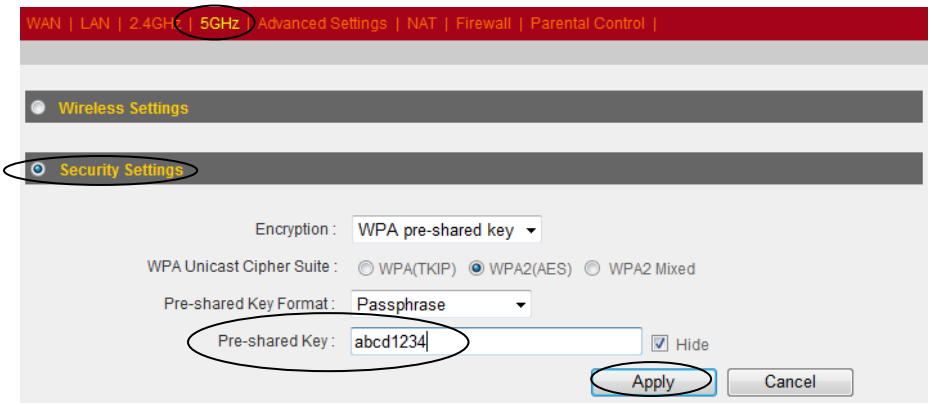
4. Select **“Security Settings”** and choose an **“Encryption”** type from the drop down menu. **“WPA pre-shared key”** is recommended. For **“WPA Unicast Cipher Suite”**, **“WPA2(AES)”** is recommended. Enter a **“Pre-shared key”** – which will be the **password** to access the BR-6475nD’s 2.4GHz Wi-Fi network – and click **“Apply”** and then **“CONTINUE”**.


WAN | LAN | 2.4GHz | 5GHz | Advanced Settings | NAT | Firewall | Parental Control |
Wireless Settings
Security Settings
Encryption : WPA pre-shared key
WPA Unicast Cipher Suite : WPA(TKIP) WPA2(AES) WPA2 Mixed
Pre-shared Key Format : Passphrase
Pre-shared Key : abcd1234
Hide
Apply
Cancel

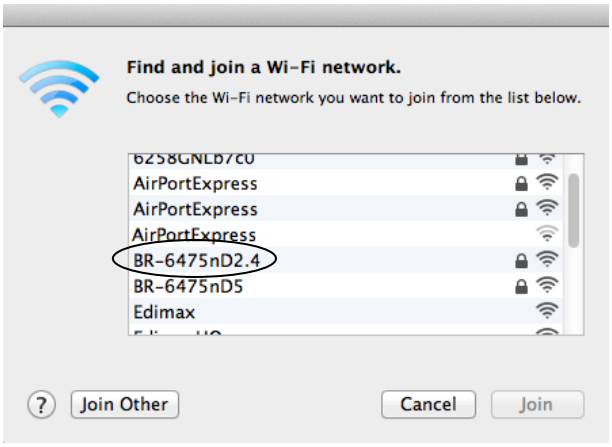
5. Select **“5GHz”** from the submenu and enter a name for your 5GHz network in **“ESSID”**. Click **“Apply”** and then **“CONTINUE”**.



6. Select **“Security Settings”** and choose an **“Encryption”** type from the drop down menu. **“WPA pre-shared key”** is recommended. For **“WPA Unicast Cipher Suite”**, **“WPA2(AES)”** is recommended. Enter a **“Pre-shared key”** – which will be the **password** to access the BR-6475nD’s 5GHz Wi-Fi network – and click **“Apply”**.


WAN | LAN | 2.4GHz | 5GHz | Advanced Settings | NAT | Firewall | Parental Control |
Wireless Settings
Security Settings
Encryption : WPA pre-shared key
WPA Unicast Cipher Suite : WPA(TKIP) WPA2(AES) WPA2 Mixed
Pre-shared Key Format : Passphrase
Pre-shared Key : abcd1234
Hide
Apply
Cancel

7. After configuring **“Security Settings”** for the **“5GHz”** network, click **“APPLY”** instead of “CONTINUE”. The system will restart and save the changes, click “**OK**” when it has finished.



8. Exit the web based configuration interface and you can now **open a new web browser** to access the internet and check your router’s connection. To connect to the BR-6475nD’s wireless networks, please refer to **Installation Step 19 - 21**.

Or if your wireless device supports WPS, you can use the **WPS** button (see previous section).

Troubleshooting

1. I can’t access the Internet.

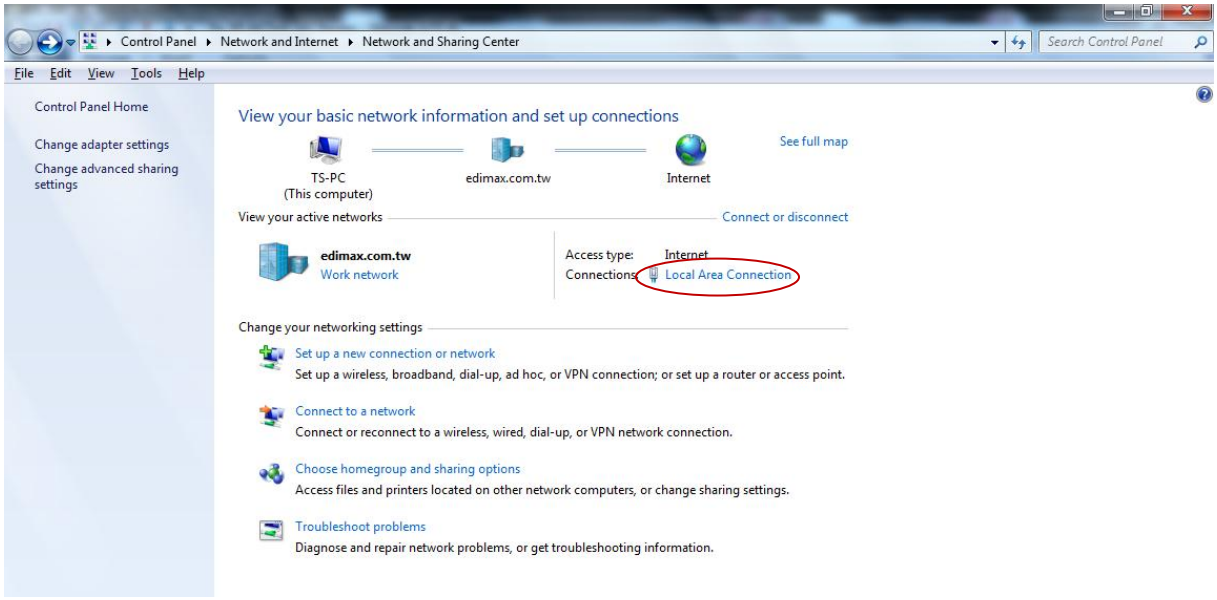
1. Ensure that all cables are connected properly. Try a different Ethernet cable.
2. Check if you can access the web based configuration interface. If not, please refer to **2. I can’t open the web based configuration interface.**
3. Login to the web based configuration interface and go to **General Setup > WAN** and check that the connection type is correct. If you are unsure, please contact your Internet Service Provider (ISP).
4. Connect your computer directly to your modem and check if you can access the internet. If you can’t, please contact your Internet service provider for assistance.

2. I can’t open the web based configuration interface.

Please ensure your computer is set to use a dynamic IP address.

For Windows 7:

Go to **Start > Control Panel**. Click **View network status and tasks > Local Area Connection > Properties** and double click **Internet Protocol Version 4 (TCP/IPv4)**. Select **Obtain an IP address automatically** and choose **Obtain DNS server address automatically** and click **OK**.


Control Panel ▸ Network and Internet ▸ Network and Sharing Center
Search Control Panel
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Control Panel Home
Change adapter settings
Change advanced sharing settings
View your basic network information and set up connections
See full map
TS-PC
(This computer)
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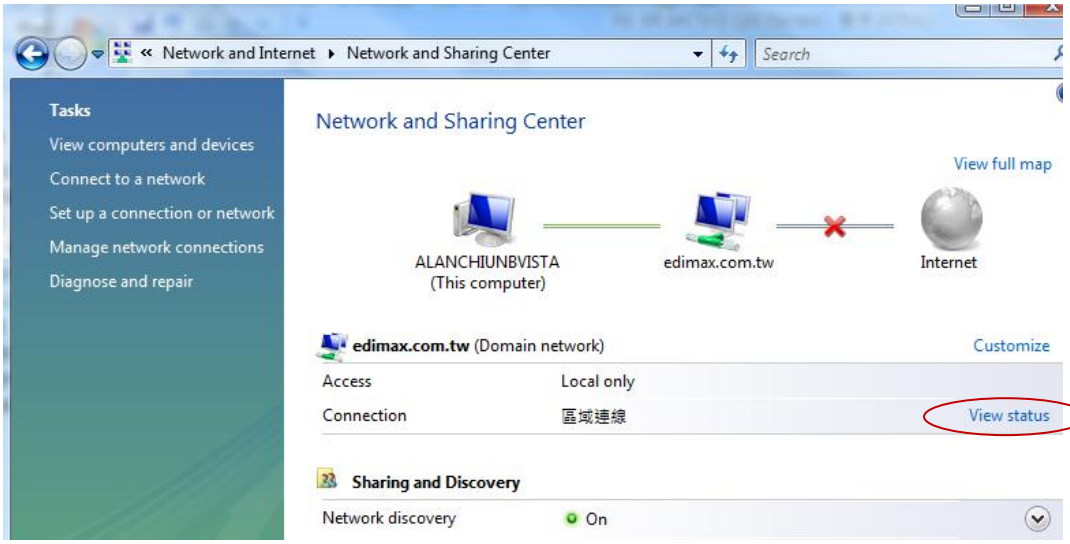
View your active networks
Connect or disconnect
edimax.com.tw
Work network
Access type: Internet
Connections: Local Area Connection
Change your networking settings
Set up a new connection or network
Set up a wireless, broadband, dial-up, ad hoc, or VPN connection; or set up a router or access point.
Connect to a network
Connect or reconnect to a wireless, wired, dial-up, or VPN network connection.
Choose homegroup and sharing options
Access files and printers located on other network computers, or change sharing settings.
Troubleshoot problems
Diagnose and repair network problems, or get troubleshooting information.

For Windows Vista:

Go to **Start > Control Panel**. Click **View network status and tasks > View Status > Properties** and double click **Internet Protocol Version 4 (TCP/IPv4)**. Select **Obtain an IP address automatically** and choose **Obtain DNS server address automatically** and click **OK**.



For Windows XP/2000:

Go to **Start > Control Panel.** Click **Network and Internet Connections > Network Connections.** Right click **Local Area Connection,** select **Properties** and double click **Internet Protocol (TCP/IP)**. Select **Obtain an IP address automatically** and choose **Obtain DNS server address automatically** and click **OK**.

3. How do I reset my router to factory default settings?

To reset the router back to its factory default settings, press and hold the WPS/Reset button for over 10 seconds, until the power LED begins to flash. When the router restarts, all settings will be reset.

4. I forgot my password.

Reset the router to its factory default settings and use the default username **admin** and default password **1234**.

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio technician for help.

FCC Caution

This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications not expressly approved by the party responsible for compliance could void the authority to operate equipment.

Federal Communications Commission (FCC) Radiation Exposure Statement

This equipment complies with FCC radiation exposure set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 2.5cm (1 inch) during normal operation.

Federal Communications Commission (FCC) RF Exposure Requirements

SAR compliance has been established in the laptop computer(s) configurations with PCMCIA slot on the side near the center, as tested in the application for certification, and can be used in laptop computer(s) with substantially similar physical dimensions, construction, and electrical and RF characteristics. Use in other devices such as PDAs or lap pads is not authorized. This transmitter is restricted for use with the specific antenna tested in the application for certification. The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

R&TTE Compliance Statement

This equipment complies with all the requirements of DIRECTIVE 1999/5/EC OF THE EUROPEAN PARLIAMENT AND THE COUNCIL of March 9, 1999 on radio equipment and telecommunication terminal equipment and the mutual recognition of their conformity (R&TTE). The R&TTE Directive repeals and replaces in the directive 98/13/EEC (Telecommunications Terminal Equipment and Satellite Earth Station Equipment) As of April 8, 2000.

Safety

This equipment is designed with the utmost care for the safety of those who install and use it. However, special attention must be paid to the dangers of electric shock and static electricity when working with electrical equipment. All guidelines of this and of the computer manufacture must therefore be allowed at all times to ensure the safe use of the equipment.

EU Countries Intended for Use

The ETSI version of this device is intended for home and office use in Austria, Belgium, Bulgaria, Cyprus, Czech, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Turkey, and United Kingdom. The ETSI version of this device is also authorized for use in EFTA member states: Iceland, Liechtenstein, Norway, and Switzerland.

EU Countries Not Intended for Use

None

EU Declaration of Conformity

English: This equipment is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC, 2009/125/EC.

Français: Cet équipement est conforme aux exigences essentielles et autres dispositions de la directive 1999/5/CE, 2009/125/CE

Čeština: Toto zařízení je v souladu se základními požadavky a ostatními příslušnými ustanoveními směrnic 1999/5/ES, 2009/125/ES.

Polski: Urządzenie jest zgodne z ogólnymi wymaganiami oraz szczególnymi warunkami określonymi Dyrektywą UE 1999/5/EC, 2009/125/EC

Română: Acest echipament este în conformitate cu cerinţele esenţiale şi alte prevederi relevante ale Directivei 1999/5/CE, 2009/125/CE.

Русский: Это оборудование соответствует основным требованиям и положениям Директивы 1999/5/EC, 2009/125/EC.

Magyar: Ez a berendezés megfelel az alapvető követelményeknek és más vonatkozó irányelveknek (1999/5/EK, 2009/125/EC)

Türkçe: Bu cihaz 1999/5/EC, 2009/125/EC direktifleri zorunlu istekler ve diğer hükümlerle ile uyumludur.

Українська: Обладнання відповідає вимогам і умовам директиви 1999/5/EC, 2009/125/EC.

Slovenčina: Toto zariadenie spĺňa základné požiadavky a ďalšie príslušné ustanovenia smerníc 1999/5/ES, 2009/125/ES.

Deutsch: Dieses Gerät erfüllt die Voraussetzungen gemäß den Richtlinien 1999/5/EC, 2009/125/EC.

Español: El presente equipo cumple los requisitos esenciales de la Directiva 1999/5/EC, 2009/125/EC.

Italiano: Questo apparecchio è conforme ai requisiti essenziali e alle altre disposizioni applicabili della Direttiva 1999/5/CE, 2009/125/CE.

Nederlands: Dit apparaat voldoet aan de essentiële eisen en andere van toepassing zijnde bepalingen van richtlijn 1999/5/EC, 2009/125/EC.

Português: Este equipamento cumpre os requesitos essênciais da Directiva 1999/5/EC, 2009/125/EC

Norsk: Dette utstyret er i samsvar med de viktigste kravene og andre relevante regler i Direktiv 1999/5/EC, 2009/125/EC.

Svenska: Denna utrustning är i överensstämmelse med de väsentliga kraven och övriga relevanta bestämmelser i direktiv 1999/5/EG, 2009/125/EG.

Dansk: Dette udstyr er i overensstemmelse med de væsentligste krav og andre relevante forordninger i direktiv 1999/5/EC, 2009/125/EC.

Suomi: Tämä laite täyttää direktiivien 1999/5/EY, 2009/125/EY oleelliset vaatimukset ja muut asiaankuuluvat määräykset.

FOR USE IN AT BE CY CZ DK EE FI FR RU DE GR HU IE IT LV LT LU MT NL PL PT UA SK SI ES SE GB IS LI NO CH BG RO TR

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WEEE Directive & Product Disposal

At the end of its serviceable life, this product should not be treated as household or general waste. It should be handed over to the applicable collection point for the recycling of electrical and electronic equipment, or returned to the supplier for disposal.

Declaration of Conformity

We, Edimax Technology Co., Ltd., declare under our sole responsibility, that the equipment described below complies with the requirements of the European R&TTE directives.

Equipment: 300Mbps Wireless Dual-Band Gigabit iQ Router
Model No.: BR-6475nD

The following European standards for essential requirements have been followed:

Directives 1999/5/EC

Spectrum	:	ETSI EN 300 328 V1.7.1 (2006-10);
		EN 301 893 V1.5.1 (2008-12)
EMC	:	EN 301 489-1 V1.8.1 (2008-04);
		EN 301 489-17 V2.1.1 (2009-05);
Safety (LVD)	:	IEC 60950-1:2005 (2nd Edition);
		EN 60950-1:2006+A11:2009

Recommendation 99/519/EC

EMF	:	EN 50385:2002

Directives 2006/95/EC

Safety (LVD)	:	IEC 60950-1:2005 (2nd Edition);
		EN 60950-1:2006+A11:2009

Edimax Technology Co., Ltd.
No. 3, Wu Chuan 3rd Road,
Wu-Ku Industrial Park,
New Taipei City, Taiwan

CE

Date of Signature: January 14th, 2011
Signature:
Printed Name: Albert Chang
Title: Director
Edimax Technology Co., Ltd.

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